FIG. 1

PEN CONFIGURATION USED IN FIRST EMBODIMENT
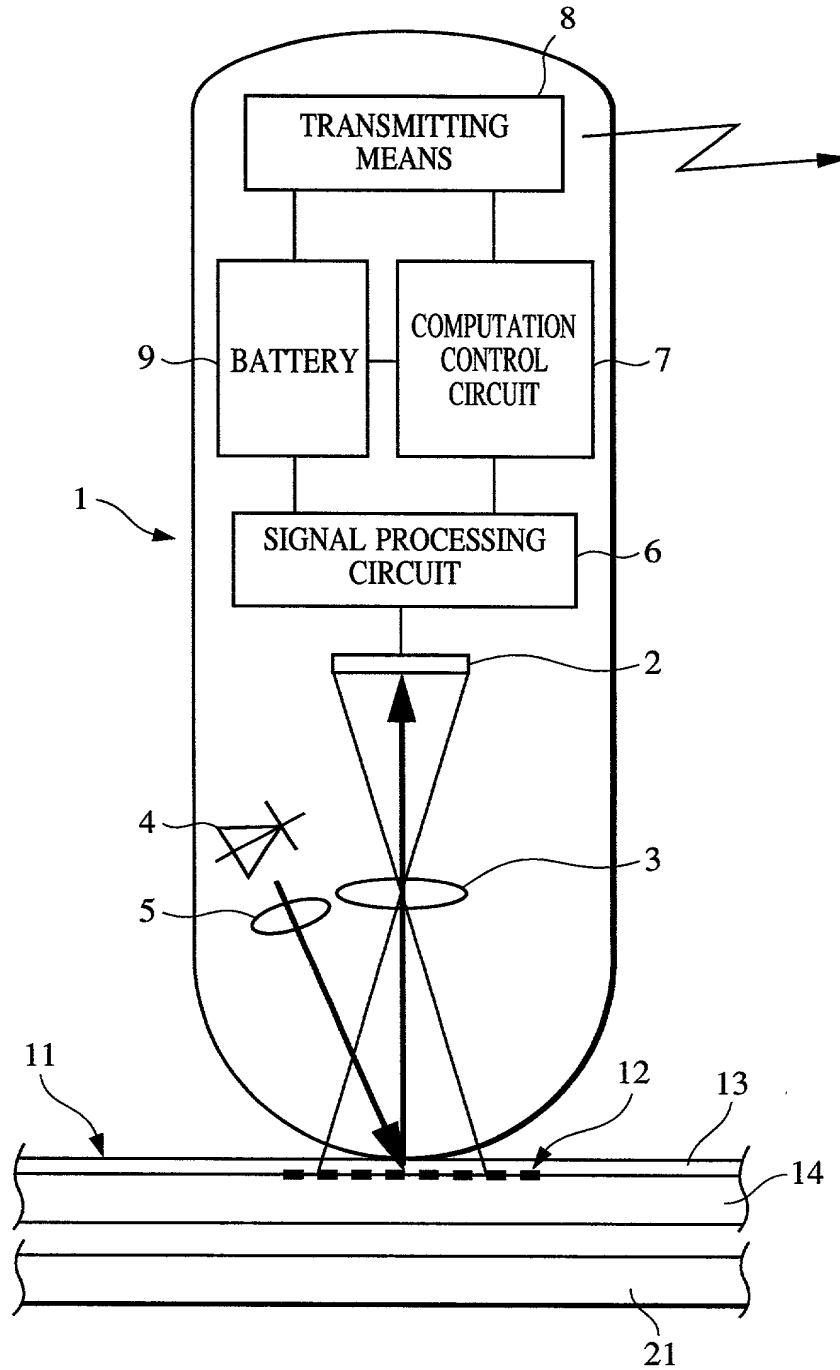
FIG. 2

BLOCK DIAGRAM OF ENTIRE SYSTEM IN FIRST EMBODIMENT

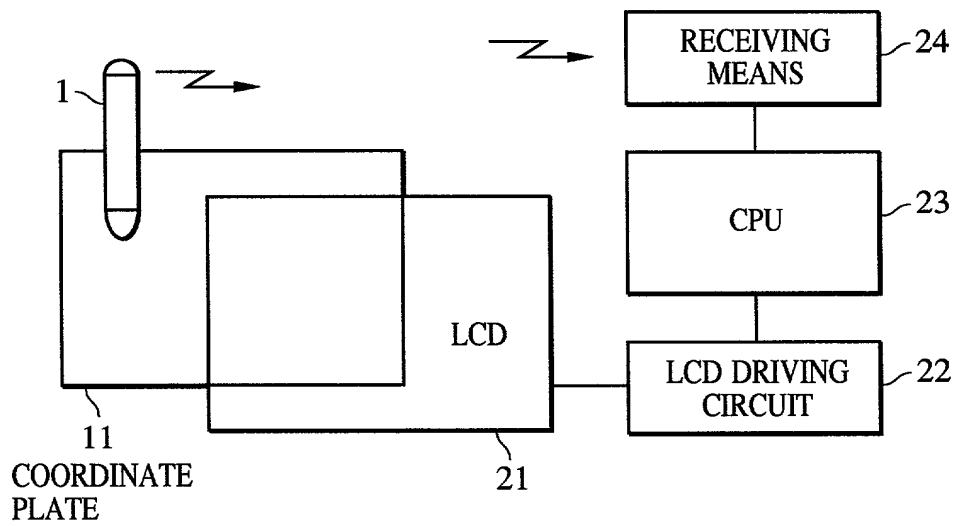# FIG. 3

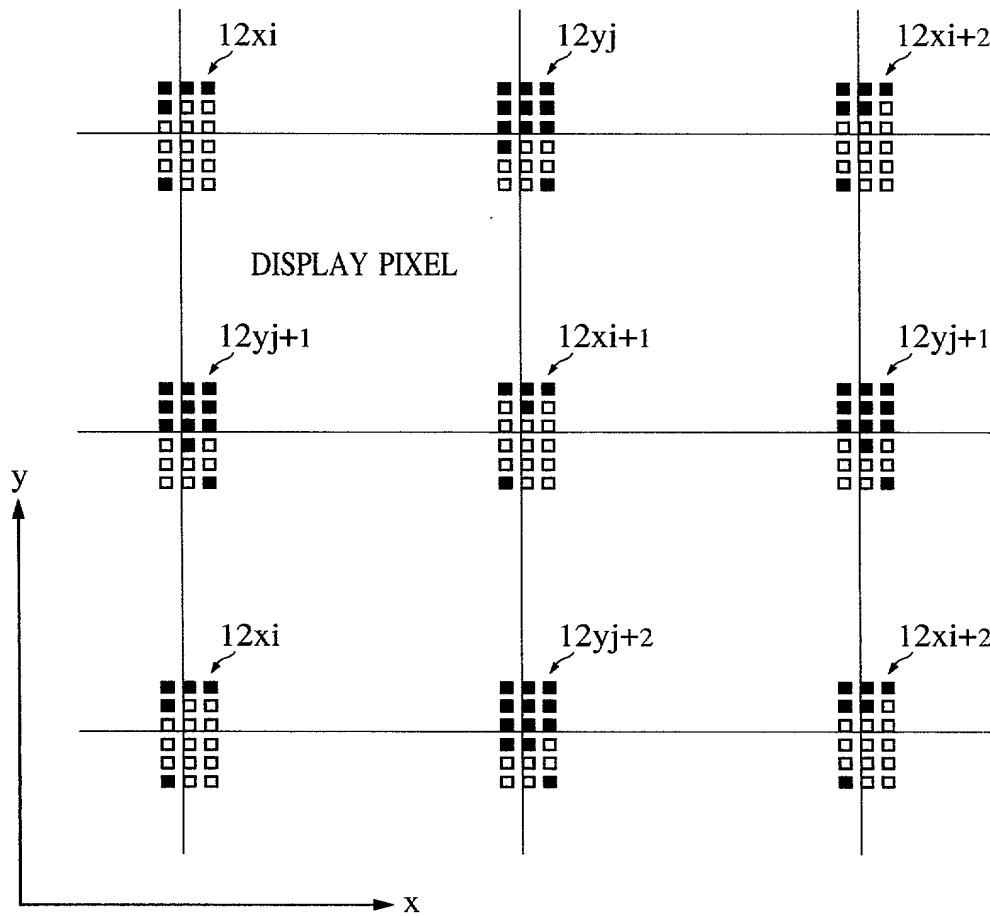DOT ARRAY OF COORDINATE PLATE USED IN FIRST EMBODIMENT

12xi   12yj   12xi+2

DISPLAY PIXEL

12yj+1   12xi+1   12yj+1

y

12xi   12yj+2   12xi+2

x

FIG. 4

FLOW CHART OF PROCESSING PROCEDURE OF FIRST EMBODIMENT

START

STEP 101

PEN-POINT
SWITCH ON ?

NO

YES

IMAGES ON COORDINATE PLATE
ARE READ TO STORE IN MEMORY AS
BINARIZED DIGITAL IMAGE DATA

STEP 102

CENTRAL REGION OF IMAGE
INFORMATION IS SCANNED TO
EXTRACT FIRST DOT ARRAY

STEP 103

BY FORM OF EXTRACTED FIRST DOT
ARRAY, DETERMINE X OR Y, COORDINATE
VALUE, AND AXIS DIRECTION

STEP 104

BY EXTRACTED FIRST DOT ARRAY
ASSUME SECOND DOT ARRAY TO
EXTRACT SECOND DOT ARRAY

STEP 105

BY EXTRACTED SECOND DOT ARRAY
DETERMINE COORDINATE VALUE

STEP 106

CALCULATE DISTANCE BETWEEN
FIRST AND SECOND DOT ARRAY AND
IMAGE INFORMATION CENTER

STEP 107

FROM COORDINATE VALUES OF
FIRST AND SECOND DOT ARRAY AND
DISTANCE TO CENTER, DETERMINE
X-Y COORDINATE VALUES

STEP 108
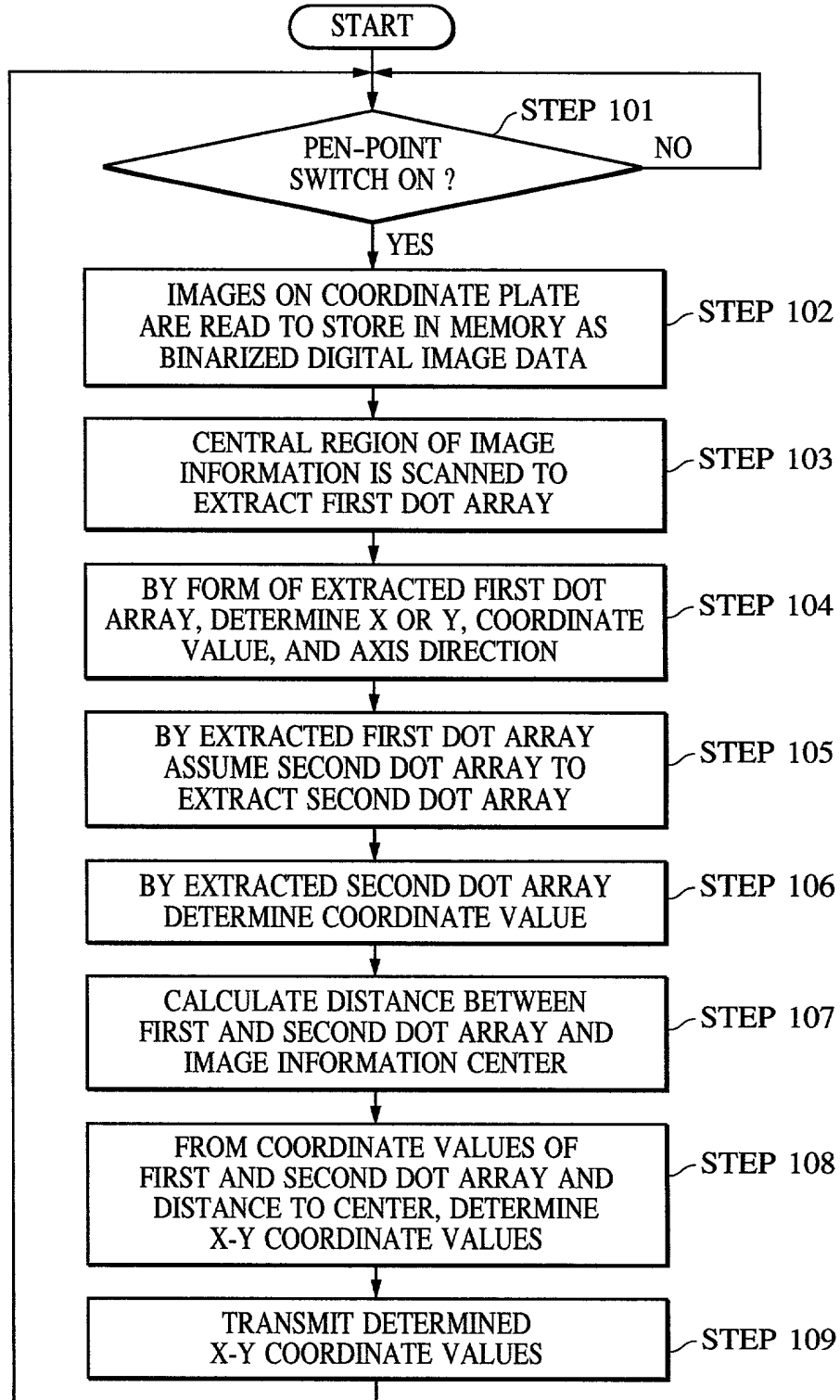
TRANSMIT DETERMINED
X-Y COORDINATE VALUES

STEP 109

FIG. 5

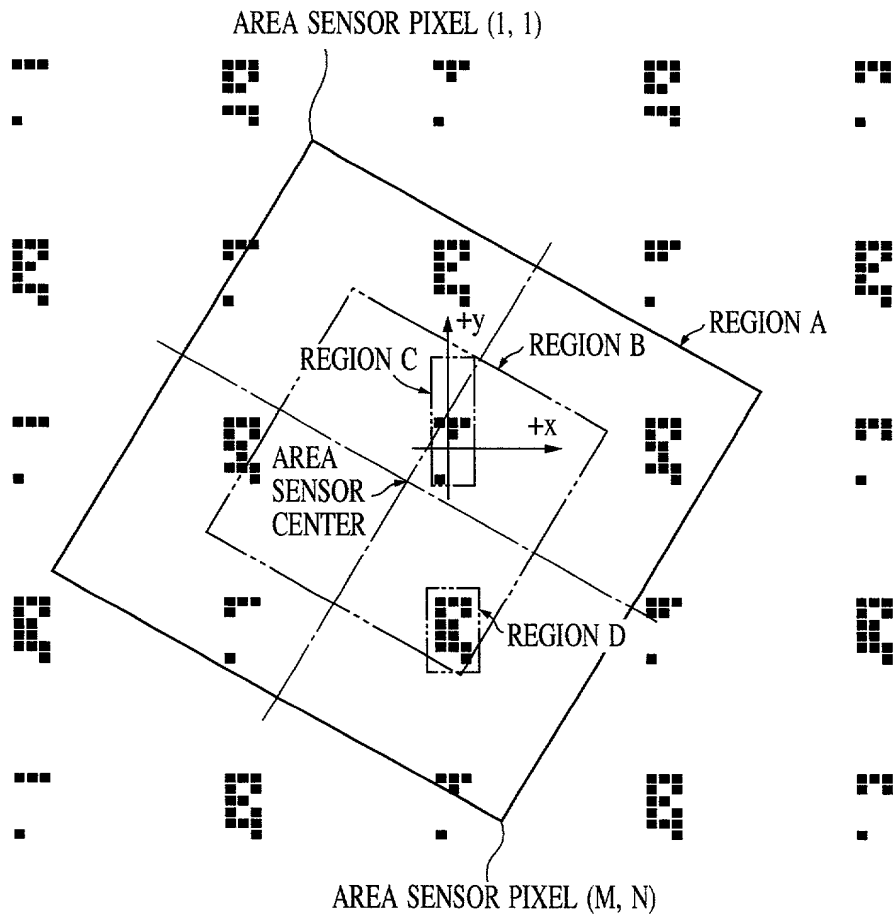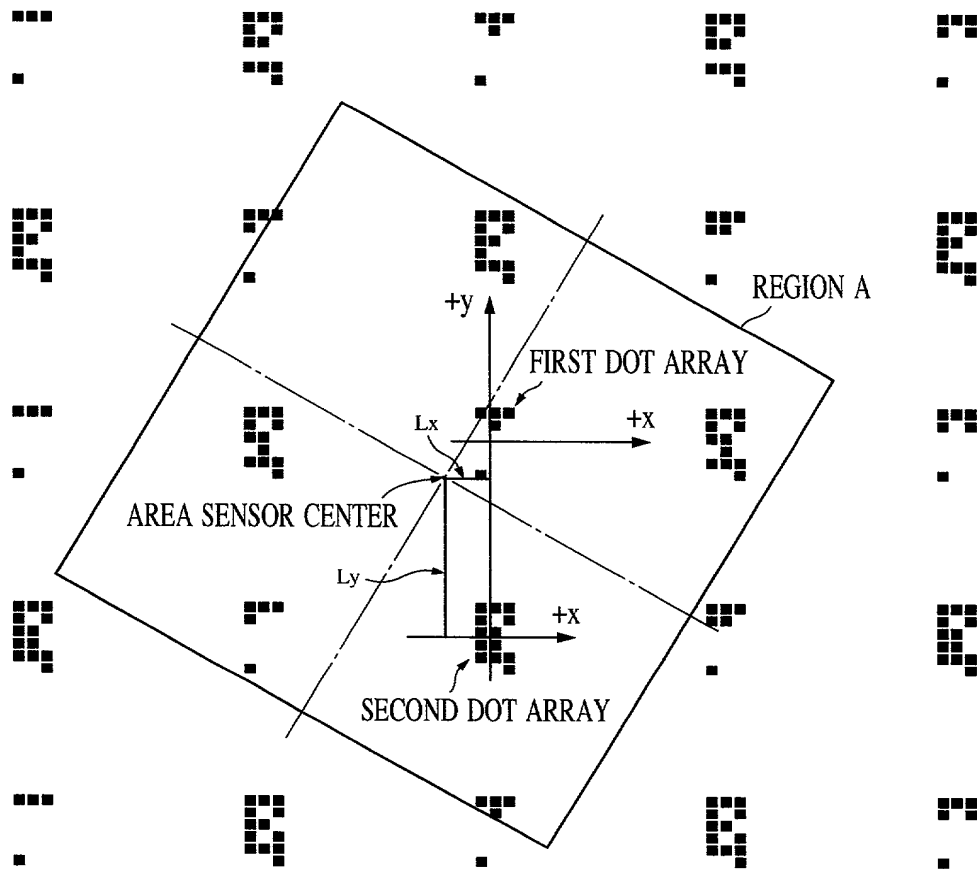IMAGE INFORMATION TO BE READ BY AREA SENSOR IN FIRST EMBODIMANT

FIG. 6

IMAGE INFORMATION TO BE READ BY AREA SENSOR IN FIRST EMBODIMANT

FIG. 7

SCHEMATIC SECTIONAL VIEW OF
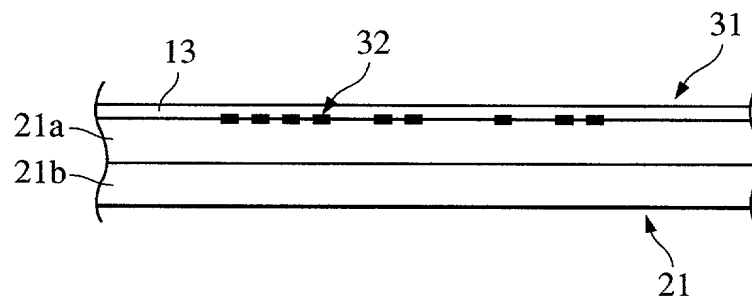COORDINATE PLATE USED IN SECOND EMBODIMENT

FIG. 8

DOT ARRAY OF COORDINATE PLATE USED IN SECOND EMBODIMENT

32xi
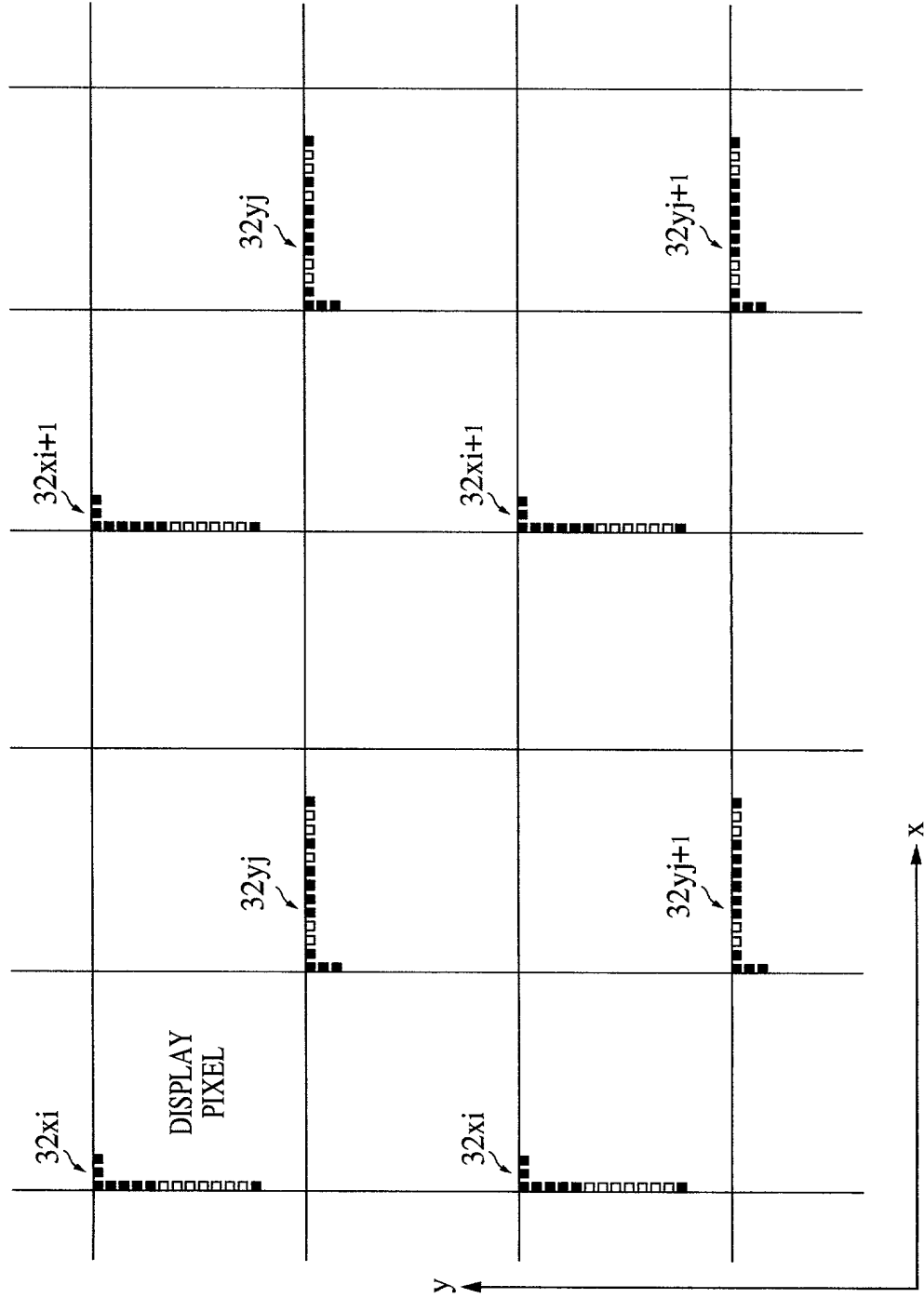
DISPLAY
PIXEL

32xi

32xi+1

32xi+1

32yj

32yj

32yj+1

32yj+1

x
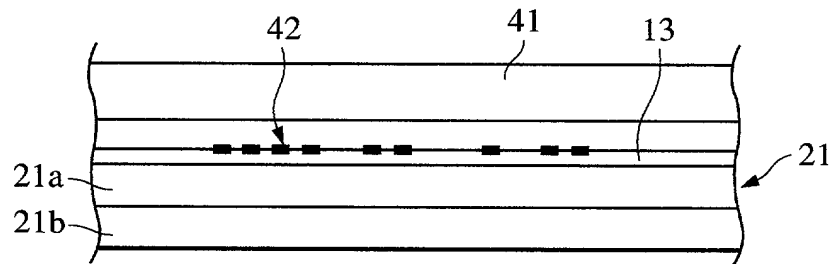
y

FIG. 9

SCHEMATIC SECTIONAL VIEW OF COORDINATE PLATE
IN MODIFIED EMBODIMENT